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# MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SECURITIES BLDG.
HELENA, MONTANA

VOL. VI, No. 10 McKEE PRINT. October, 1958

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1958, averaged 78,326 barrels daily, an increase of 545 barrels from the average September production of 77,781.

The ten refineries in the State processed 70,794 barrels of crude oil daily for the month of October, 1958, an increase of 6,584 barrels daily from the 64,210 barrels processed daily during the month of September, 1958.

During October, 35 wells were completed, 19 oil, 1 gas well and 15 dry holes.

During October, the Commission issued 56 permits to drill new wells, an increase of 30 from the 26 permits issued during September.

## SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1958

| | |
|---|---|
| IN STORAGE OCTOBER 1st: | |
| By Producers | 371,467 |
| By Transporters | 642,156 |
| By Refiners | 658,405 |
| TOTAL STORAGE | 1,672,028 |
| Produced in Montana During Month | 2,428,125 |
| Imported During Month | 1,541,890 |
| TOTALS | 5,642,043 |
| DISPOSITION: | |
| Refined in Montana | 2,194,667 |
| Exported | 1,835,804 |
| Used for Fuel or Lost | 12,685 |
| TOTAL | 4,043,156 |
| IN STORAGE OCTOBER 31st: | |
| By Producers | 340,168 |
| By Transporters | 662,664 |
| By Refiners | 596,055 |
| TOTAL STORAGE | 1,598,887 |

## NATURAL GAS WITHDRAWALS IN MONTANA

### Month of October, 1958

| Field | M Cu. Ft. |
|---|---|
| Bears Den | 4,863 |
| Big Coulee | 55,799 |
| Bowdoin | 123,745 |
| Bowes | 73,502 |
| Box Elder | 0 |
| Cabin Creek | 62,724 |
| Cedar Creek | 611,950 |
| Clarks Fork | 99,613 |
| Cut Bank (Including Reagan) | 1,012,374 |
| Devon | 0 |
| Dry Creek | 120,888 |
| Elk Basin | 95,611 |
| Flat Coulee | 12,076 |
| Golden Dome | 1,854 |
| Hardin | 4,039 |
| Keith Block | 33,846 |
| Kevin Sunburst | 69,594 |
| Pine | 81,001 |
| Plevna | 19,264 |
| Utopia | 34,005 |
| Whitlash | 140,809 |
| Miscellaneous | 43,977 |
| TOTAL | 2,701,534 |

Total Withdrawals for October, 1957 were 3,189,142 M Cu. Ft.

# PRODUCERS REPORT

## MONTH OF OCTOBER, 1958

| Leases Operated | Field | No. of Wells | Storage First of Month | Oil Produced | Oil Shipped By Pipeline | Oil Shipped By Truck | Used or Lost | Storage End of Month |
|---|---|---|---|---|---|---|---|---|
| 1 | Ash Creek | 4 | 891 | 2,507 | ..... | 2,504 | ..... | 894 |
| 5 | Bannatyne | 6 | 929 | 1,228 | ..... | 482 | ..... | 1,675 |
| 1 | Belfry | .... | 45 | ..... | ..... | ..... | ..... | 45 |
| 12 | Big Wall | 26 | 3,467 | 15,707 | ..... | 14,451 | ..... | 4,723 |
| 10 | Blackfoot | 14 | 1,511 | 11,233 | ..... | 9,759 | ..... | 2,985 |
| 20 | Bowes | 82 | 8,912 | 29,163 | 32,736 | ..... | ..... | 5,339 |
| 1 | Bredette | 1 | 1,666 | 868 | 820 | ..... | ..... | 1,714 |
| 5 | North Bredette | 5 | 4,132 | 15,272 | 14,657 | ..... | ..... | 4,747 |
| 2 | Brorson | 2 | 2,170 | 5,352 | 5,128 | ..... | ..... | 2,394 |
| 2 | Bynum | 2 | 855 | 78 | ..... | 678 | ..... | 255 |
| 2 | Cabin Creek | 82 | 15,254 | 372,375 | 379,392 | ..... | 1,703 | 6,534 |
| 30 | Cat Creek | 89 | 7,352 | 14,387 | 10,899 | 3,636 | ..... | 7,204 |
| 1 | Clark's Fork | 1 | 347 | 230 | ..... | ..... | ..... | 577 |
| 3 | Clark's Fork North | 5 | 4,056 | 41,091 | ..... | 41,880 | ..... | 3,267 |
| 2 | Cupton | 2 | 838 | 1,139 | 1,201 | ..... | 20 | 756 |
| 353 | Cut Bank | 1,156 | 128,048 | 169,524 | 176,743 | ..... | 236 | 120,593 |
| 3 | Deer Creek | 5 | 938 | 12,695 | 12,408 | ..... | ..... | 1,225 |
| 6 | Delphia | 6 | 2,194 | 6,495 | ..... | 7,036 | ..... | 1,653 |
| 4 | Devil's Basin | 5 | 991 | 1,137 | ..... | 1,275 | 42 | 811 |
| 5 | Dry Creek | 6 | 1,200 | 5,838 | 6,346 | ..... | ..... | 692 |
| 20 | Elk Basin | 55 | 7,623 | 290,532 | 290,374 | ..... | ..... | 7,781 |
| 2 | Fertile Prairie | 3 | 1,103 | 1,659 | 1,301 | ..... | ..... | 1,461 |
| 2 | Frannie | 2 | 336 | 3,227 | 2,554 | ..... | ..... | 1,009 |
| 2 | Gage | 2 | 343 | 4,360 | ..... | 3,763 | 40 | 900 |
| 3 | Gas City | 12 | 4,170 | 23,844 | 24,727 | ..... | ..... | 3,287 |
| 6 | Glendive | 12 | 5,220 | 49,609 | 48,603 | ..... | ..... | 6,226 |
| 5 | Ivanhoe | 13 | 4,859 | 24,544 | ..... | 24,225 | ..... | 5,178 |
| 209 | Kevin-Sunburst | 1,436 | 18,222 | 78,735 | 79,584 | ..... | 3 | 17,370 |
| 2 | Line Coulee | 2 | 2,345 | 3,547 | 4,454 | ..... | ..... | 1,438 |
| 1 | Little Beaver | 7 | 2,601 | 16,002 | 16,598 | ..... | ..... | 2,005 |
| 3 | East Little Beaver | 5 | 3,498 | 8,538 | 9,449 | ..... | ..... | 2,587 |
| 5 | Melstone | 7 | 2,952 | 7,928 | ..... | 8,348 | ..... | 2,532 |
| 3 | Mosser | 8 | 818 | 593 | ..... | 1,323 | ..... | 88 |
| 14 | Outlook Area | 14 | 8,518 | 68,476 | 43,934 | 26,097 | ..... | 6,963 |
| 10 | Pennel | 21 | 4,934 | 47,259 | 47,005 | ..... | ..... | 5,188 |
| 6 | Pine | 134 | 19,651 | 455,429 | 454,513 | ..... | 443 | 20,124 |
| 79 | Pondera | 349 | 9,288 | 46,625 | 47,019 | ..... | ..... | 8,894 |
| 12 | East Poplar | 100 | 25,437 | 315,611 | 320,005 | ..... | ..... | 21,043 |
| 3 | Northwest Poplar | 4 | 1,671 | 2,141 | 3,045 | ..... | ..... | 767 |
| 3 | Ragged Point | 6 | 2,618 | 11,415 | ..... | 10,942 | ..... | 3,091 |
| 1 | Rattlesnake Butte | 1 | 86 | 30 | ..... | ..... | ..... | 116 |
| 4 | Reagan | 44 | 2,687 | 14,501 | 14,841 | ..... | ..... | 2,347 |
| 3 | Red Creek | 3 | 84 | 2,549 | 1,361 | ..... | ..... | 1,272 |
| 1 | Repeat | 1 | 213 | 3,711 | 3,175 | ..... | ..... | 749 |
| 5 | Richey | 7 | 3,317 | 7,947 | 7,750 | ..... | 491 | 3,023 |
| 2 | Snyder | 4 | 1,145 | 2,469 | ..... | 2,044 | ..... | 1,570 |
| 4 | Soap Creek | 13 | 8,501 | 4,922 | ..... | 7,004 | ..... | 6,419 |
| 1 | Southwest Richey | 2 | 885 | 3,579 | 3,453 | ..... | ..... | 1,011 |
| 23 | Sumatra | 67 | 18,564 | 144,126 | 144,981 | 4,034 | 46 | 13,629 |
| 3 | Sweetgrass Hills | 3 | 894 | 582 | ..... | 582 | ..... | 894 |
| 10 | Whitlash | 32 | 9,881 | 6,617 | 3,442 | 1,194 | 199 | 11,663 |
| 5 | Wills Creek | 8 | 5,769 | 20,393 | 21,254 | ..... | ..... | 4,908 |
| 9 | Wolf Springs | 19 | 5,762 | 47,790 | 48,379 | ..... | ..... | 5,173 |
| 2 | Woodrow | 2 | 1,176 | 2,436 | 2,813 | ..... | ..... | 799 |
| 1 | Yellowstone | 1 | 500 | 80 | ..... | ..... | ..... | 580 |
| 932 | | 3,898 | 371,467 | 2,428,125 | 2,284,944 | 171,257 | 3,223 | 340,168 |

| Total Oil Produced and Shipped from Lease | Bbls. Produced | Daily Average | Bbls. Shipped | Daily Average |
|---|---|---|---|---|
| Year, 1957 | 27,121,962 | 74,306 | 27,037,808 | 74,076 |
| First Quarter, 1958 | 6,728,571 | 74,761 | 6,644,211 | 73,824 |
| Second Quarter, 1958 | 6,951,369 | 76,388 | 6,965,486 | 76,543 |
| Third Quarter, 1958 | 7,079,598 | 76,952 | 7,050,433 | 76,635 |
| October, 1958 | 2,428,125 | 78,326 | 2,456,201 | 79,232 |

| Oil in Storage | In Producers Field Tanks | In Transporters Storage | In Refiners Storage* | Total Oil in Storage* |
|---|---|---|---|---|
| December, 1957 | 319,586 | 745,067 | 776,264 | 1,804,917 |
| March, 1958 | 380,210 | 712,578 | 601,535 | 1,694,323 |
| June, 1958 | 351,180 | 624,029 | 526,399 | 1,501,608 |
| September, 1958 | 371,467 | 642,156 | 658,405 | 1,672,028 |
| October, 1958 | 340,168 | 662,664 | 596,055 | 1,598,887 |

*Includes Wyoming Oil.

# TRANSPORTERS REPORT

## MONTH OF OCTOBER, 1958

| | Storage First Of Month | OIL RECEIVED BY | | | Loss or Gain | OIL SHIPPED TO | | | Storage End of Month |
|---|---|---|---|---|---|---|---|---|---|
| | | Pipeline | Truck | Connecting Carrier | | Montana | Other States | Connecting Carrier | |
| ASH CREEK—Truck | | | 2,504 | | | | 2,504 | | |
| BANNATYNE—Truck | | | 482 | | | 482 | | | |
| BIG WALL—Truck | | | 14,451 | | | | 14,451 | | |
| BLACKFOOT—Union Oil Co. | | | 9,759 | | | 9,759 | | | |
| BOWES— | | | | | | | | | |
| Trigood Oil Co. | 7,738 | 5,796 | | | | | 8,651 | | 4,883 |
| The Texas Co. | | 26,940 | | | | 26,940 | | | |
| | 7,738 | 32,736 | | | | 26,940 | 8,651 | | 4,883 |
| BRORSON—Sun Oil Co. | | 5,128 | | | | | 5,128 | | |
| BYNUM—Truck | | | 678 | | | 678 | | | |
| CABIN CREEK & OTHERS* | | | | | | | | | |
| Butte Pipe Line Co. | 302,249 | 903,012 | | 514,266 | 24 | | 1,390,684 | | 328,819 |
| Shell Pipe Line Corp. | 5,572 | 100,932 | | | 314 | | | 99,098 | 7,092 |
| | 307,821 | 1,003,944 | | 514,266 | 338 | | 1,390,684 | 99,098 | 335,911 |
| CAT CREEK— | | | | | | | | | |
| Continental Pipe Line Co. | 8,815 | 10,899 | | | 39 | 10,668 | | | 9,007 |
| Wm. Hanlon | | | 3,636 | | | 3,636 | | | |
| | 8,815 | 10,899 | 3,636 | | 39 | 14,304 | | | 9,007 |
| CLARK'S FORK—Truck | | | 41,880 | | | | 41,880 | | |
| CUT BANK— | | | | | | | | | |
| Big West Oil Co. | | 1,084 | | 13,297 | | 14,381 | | | |
| Darling Gathering System Inc. | 2,145 | 5,311 | | | | | | 5,635 | 1,821 |
| Phillips Petroleum Co. | 35,979 | 42,690 | | 29,648 | 412 | | | 90,275 | 17,630 |
| Texas Pipe Line Co. | 26,669 | 40,365 | | 11,676 | 996 | 22,652 | | 22,106 | 32,956 |
| Toronto Pipe Line Co. | 21,913 | 47,957 | | | 202 | | | 50,906 | 18,762 |
| Union Oil Co. | 179,445 | 42,305 | | 47,803 | 1,863 | 90,704 | | | 176,986 |
| | 266,151 | 179,712 | | 102,424 | 3,473 | 127,737 | | 168,922 | 248,155 |
| DEVILS BASIN—Truck | | | 1,275 | | | 1,275 | | | |
| DELPHIA—Truck | | | 7,036 | | | 7,036 | | | |
| DRY CREEK—Ohio Oil Co. | 6,898 | 6,345 | | | 139 | 5,212 | | | 7,892 |
| ELK BASIN—Ohio Oil Co. | | 290,374 | | | | 3,715 | 286,659 | | |
| FRANNIE—Ohio Oil Co. | | 2,554 | | | | | 2,554 | | |
| GAGE—Truck | | | 3,763 | | | | 3,763 | | |
| GLENDIVE, DEER CREEK & WOODROW— | | | | | | | | | |
| The Texas Pipe Line Co. | 9,144 | 63,252 | | | 538 | | 26,188 | 41,375 | 4,295 |
| IVANHOE—Truck | | | 24,225 | | | 4,381 | 19,844 | | |
| KEVIN-SUNBURST— | | | | | | | | | |
| Big West Oil Co. | 2,169 | 47,377 | | | | 47,369 | | | 2,177 |
| Homestake Oil & Gas Co. | 1,316 | 3,324 | | 5,636 | | 8,942 | | | 1,334 |
| The Texas Pipe Line Co. | 4,082 | 36,887 | | | 220 | 36,667 | | | 4,082 |
| | 7,567 | 87,588 | | 5,636 | 220 | 92,978 | | | 7,593 |
| MELSTONE—Truck | | | 8,348 | | | 8,348 | | | |
| MOSSER—Truck | | | 1,323 | | | | 1,323 | | |
| PONDERA—Phillips Petr. Co. | 9,378 | 47,520 | | 60,627 | 1,274 | 96,860 | | | 19,391 |
| POPLAR, BREDETTE, OUTLOOK & LINE COULEE— | | | | | | | | | |
| East Poplar Gathering System | 10,721 | 386,915 | | | 918 | | | 373,738† | 22,980 |
| Truck | | | 26,097 | | | | 26,097 | | |
| | 10,721 | 386,915 | 26,097 | | 918 | | 26,097 | 373,738 | 22,980 |
| RAGGED POINT—Truck | | | 10,942 | | | 10,942 | | | |
| REAGAN—Union Oil Co. | | 14,841 | | | | 14,841 | | | |
| RED CREEK— | | | | | | | | | |
| Toronto Pipe Line Co. | | 1,361 | | | | 1,361 | | | |
| SNYDER—Truck | | | 2,044 | | | | 2,044 | | |
| SOAP CREEK—Truck | | | 7,004 | | | 7,004 | | | |
| SUMATRA— | | | | | | | | | |
| Powder River Pipe Line Inc. | | 144,981 | | | 1,181 | 143,800 | | | |
| Truck | | | 4,034 | | | | 4,034 | | |
| | | 144,981 | 4,034 | | 1,181 | 143,800 | 4,034 | | |
| SWEETGRASS HILLS—Truck | | | 582 | | | 582 | | | |
| WHITLASH— | | | | | | | | | |
| Homestake Oil & Gas Co. | | | | 3,423 | | 3,423 | | | |
| Western Natural Gas Co. | 549 | 3,442 | | | | | | 3,243 | 748 |
| Truck | | | 1,194 | | | 1,194 | | | |
| | 549 | 3,442 | 1,194 | 3,423 | | 4,617 | | 3,243 | 748 |
| WOLF SPRINGS— | | | | | | | | | |
| Powder River Pipe Line Co. | 7,374 | 48,203 | | | | 53,768 | | | 1,809 |
| TOTALS | 642,156 | 2,329,795 | 171,257 | 686,376 | 8,120 | 636,620 | 1,835,804 | 686,376 | 662,664 |

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

## BARRELS OF CRUDE OIL REFINED IN MONTANA

### MONTH OF OCTOBER, 1958

| Field | Big West Oil Co. | Carter Oil Co. | Continental Oil Co. | Diamond Asphalt Co. | Farmers Union | Jet Fuel Refinery | Phil. Petr. Co. | The Texas Co. | Texas Calgary Co. | Union Oil Co. | Total by Fields |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blackfoot | | | | | | | | | | 7,349 | 7,3[illegible] |
| Bowes | | | | 17,416 | | | | | | | 17,416 |
| Cat Creek | | | 10,619 | | | 3,636 | | | | | 14,255 |
| Clark's Fork | | | | | 507 | | | | | | 507 |
| Cut Bank | 14,617 | | | | | | 48,419 | 46,135 | | 87,985 | 197,156 |
| Delphia | | | | | | 6,588 | | | | | 6,588 |
| Dry Creek | | | | | 5,152 | | | | | | 5,152 |
| Elk Basin | | 144,575 | 64,877 | | | | | | | | 209,452 |
| Ivanhoe | | | | | | 3,041 | | | | | 3,041 |
| Kevin-Sunburst | 61,751 | | | | | | | 30,606 | | | 92,357 |
| Melstone | | | | | 10,343 | | | | | | 10,343 |
| Pondera | 419 | | | | | | 50,113 | | | | 50,532 |
| Reagan | | | | | | | | | | 14,841 | 14,841 |
| Soap Creek | | | | | | | | | 4,457 | | 4,457 |
| Sumatra | | 64,203 | 139 | | 46,968 | | | | | | 111,310 |
| Sweetgrass Hills | 582 | | | | | | | | | | 582 |
| Whitlash | | | | | | | | | | 1,223 | 1,223 |
| Wolf Springs | | 38,076 | | | | | | | | | 38,076 |
| Total Montana Oil | 77,369 | 246,854 | 75,635 | 17,416 | 62,970 | 13,265 | 98,532 | 76,741 | 4,457 | 111,398 | 784,637 |
| Canadian Oil Imported | | | | | | | | | | | [illegible] |
| Wyoming Oil Imported | | 801,937 | 174,284 | | 433,809 | | | | | | 1,410,030 |
| TOTAL Mont., Canadian and Wyoming Oil | 77,369 | 1,048,791 | 249,919 | 17,416 | 496,779 | 13,265 | 98,532 | 76,741 | 4,457 | 111,398 | 2,194,667 |

### AVERAGE BARRELS PER DAY

| | Montana | Canada | Wyoming | TOTAL |
|---|---|---|---|---|
| Year, 1957 | 25,264 | 575 | 37,438 | 63,277 |
| October, 1957 | 22,017 | 62 | 31,273 | 53,352 |
| October, 1958 | 25,310 | ..... | 45,484 | 70,794 |

### PERCENTAGE OF CRUDE OIL REFINED

| Montana | Canada | Wyoming |
|---|---|---|
| 40.13% | .40% | 59.47% |
| 41.26% | .12% | 58.62% |
| 35.75% | | 64.25% |